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What is claimed is:

- A system for processing a plurality of related sub-documents to produce information associated with an encompassing document structure, comprising:
- a source of control information for determining content structure of an encompassing document;
- a first document processor for deriving internal structure information by analyzing the internal structure of each of said plurality of related sub-documents in response to said control information;
- a second document processor for deriving external structure information by analyzing the structural relationship between said plurality of related sub-documents in response to said control information; and
- a data generator for generating a table of contents using said internal structure information and said external structure information.
- The system according to claim 1, wherein said data generator further generates menu icons representing navigation controls supporting User navigation through said encompassing document structure using table of contents information.
- 3. The system according to claim 2, wherein said navigation controls comprise one or more of, (a) controls for navigating between sub-documents and (b) controls for navigating within an individual sub-document.

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- 4. The system according to claim 2, wherein said navigation controls comprise one or more of, (a) controls for navigating forward or backward between sub-documents and (b) controls for navigating upward and downward within an individual sub-document.
- 5. The system according to claim 1, wherein said sub-documents comprise one or more of, (a) an SGML document, (b) an XML document, (c) an HTML document (d) a document encoded in a language incorporating distinct content attributes and presentation attributes, and (e) a multimedia file.
- 6. The system according to claim 1, wherein said first document processor derives said internal structure information by identifying at least one of, (a) objects within a document and (b) divisions between objects.
- 7. The system according to claim 6, wherein said objects within a document comprise heading objects including at least one of, headings, footers, headers, figure titles and table titles, and non-heading objects including at least one of, paragraphs, lists tables and graphics.
- 8. The system according to claim 6, wherein said divisions between objects are identified based on at least one of, (i) a horizontal line, (ii) a larger than typical vertical spacing between text lines, (iii) heading marks, (iv) text properties and (v) special objects.
- The system according to claim 6, wherein said control information identifies different objects.

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- The system according to claim 1, wherein said source of control information comprises an SGML document.
- 11. The system according to claim 1, wherein said second document processor derives said external structure information by using said control information in hierarchically ordering said plurality of related sub-documents to conform to a hierarchical section numbering system.
- 12. A system for processing a plurality of related sub-documents to produce information associated with an encompassing document structure, comprising:
- a source of control information for determining content structure of an encompassing document;
- a first document processor for deriving internal structure information by analyzing the internal structure of each of said plurality of related sub-documents in response to said control information;
- a second document processor for compiling encompassing document structure information by integrating related sub-document structure information into composite structure information; and
- a data generator for generating a table of contents using encompassing document structure information.
- The system according to claim 12, wherein said second document processor compiles encompassing document structure information into a hierarchical

structure.

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- 14. The system according to claim 12, wherein said data generator further generates navigation information supporting User navigation through said encompassing document structure using table of contents information.
- 15. A User interface system supporting processing of a plurality of related sub-documents to produce information associated with an encompassing document structure, comprising:

a menu generator for generating, one or more menus permitting User selection of input sub-documents to be processed to create an encompassing document structure;

an icon permitting User initiation of processing of related subdocument structure information to create an encompassing document structure derived by integrating related sub-document structure information into composite structure information; and

menu icons representing navigation controls supporting User navigation through said encompassing document structure using said composite structure information.

- The User interface system according to claim 15, wherein said User interface menu functions are incorporated into a web browser.
- A system for processing a plurality of related sub-documents to produce information associated with an encompassing document structure,

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comprising:

a source of control information for determining content structure of an encompassing document;

a first document processor for deriving internal structure information by parsing the internal structure of each of said plurality of related sub-documents to identify structural object elements in response to said control information;

a second document processor for compiling encompassing document structure information by integrating related sub-document structure information, derived using said identified object elements, into composite structure information; and

a processor for generating a navigation menu based on said composite structure information.

- 18. The system according to claim 17, wherein said navigation menu comprises a table of contents linked to associated content via a database.
- 19. A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for determining a structure for an electronic document, the method steps comprising:

identifying a plurality of divisions between a plurality of document objects;

identifying a plurality of heading objects;

determining a plurality of relationships between the objects, wherein the relationships define an internal structure;

updating the internal structure upon determining a new relationship;

identifying a plurality of sections within each document;

formatting the documents in a linear sequence;

providing a plurality of section headings in a linear sequence; and

providing a plurality of standardized controls.